



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
09, 10 AND 11 APRIL, 2001**

Part I. Operations

09 APRIL

A. SN Anomalies: - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/Multiple Supports

9/1430-1800Z

UPS system failed Multiple supports impacted. Power to the ground equipment went down and power was switched to commercial. This failure effected all station equipment that was on the main UPS system. Projects were unable to get data in real-time. TTR # 23826 CDS ID # 18475

All Antennas 1430-1800Z 1 Hour 31 Sec. Svc Loss
1 Hour 21 Sec. Data Loss (Non-Recov)

2. WGS/SOLAR-A Support

09/2322-2325Z

WOTS Metrums hung at start of pass. When the command was given to start the tapes the controller hung up. To clear the anomaly the operator power down the unit but this had no affect on the problem. The operator hung an analog tape and was able to save half of the pass. Post pass investigation it took approximately two shut downs and finally a complete power down to clear the anomaly. TTR # 23830 CDS ID # 18479

9 METER 2314-2320Z 3 Min. Svc/Data Loss (Non-Recov)

10 APRIL

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/TOMS-EP Support

10/0443-0457Z

Project unable to received data during real-time. Post pass the CD Manager found the anomaly; SCD-2 had lost its mapping for the data circuits located on this unit. To clear the anomaly all data circuits were shifted to the spare SCD-4. TTR # 18476
CDS ID # 18476

TOTS 0443-0458Z 14 Min. Svc/Data Loss (Recov)

2. SKS/QUIKSCAT Support

10/1317-1319Z

Station system monitor crashed resulted in 4kb housekeeping data being loss. TTR # 18484 CDS ID # 18484

11 METER 1 Min.30 Sec. Svc/Data Loss (Non-Recov)

11 APRIL

A. SN Anomalies:

1. UARS Support

11/0417-1030Z

TPF failed to receive UARS 512kb data on the Q-channel reason unknown. Two dumps were scheduled 0417-0447Z event and 1004-1030Z event. TPF requested a playback of both dumps.
TTR # 23834

TDE/TDW 16 Min. Svc/Data Loss (Recov by Playback)

B. ISS Anomalies:

1. ISS Support

11/1233-1243Z

ISS reported not receiving 50MB data. WSC reported RF appeared nominal at STGT. The carrier failed to make a configuration change prior to event start. Resulting in a late acquisition of nine minutes and forty three seconds. TTR # 23835

TDS 1233-1327Z 9 Min. 43 Sec. Svc/Data Loss (Non-Recov)

C. GN Anomalies:

1. WGS/SOLAR Support

11/0057-0108Z

Station reported 11 METER antenna failed to track at scheduled time. Operator notice that antenna was not moving, tried to manually move antenna to acquire track but was unsuccessful. After completion of pass the antenna went to a stow position. TTR # 23833 CDS ID # 18486

11 M 0056-0108Z 5 Min. 4 Sec. Svc/Data Loss (Non-Recov)

D. NAM 533 cancels NAM 514.

E. NAM 534 Removal of Operational Spacecraft Identification Codes

F. SGLT H/O at STGT (TDS) from SGLT-3 to SGLT-2 complete.

G. SGLT H/O at WSGT (171) from SGLT-5 to STGT SGLT-3 complete.

Part II . Testing Anomalies

A. SN Test:

1. LOW POWER TRANSCEIVER 11/1245-11/1630Z

(LPT) DEMONSTRATION

OBJECTIVES:

- A. To demonstrate the configuration of the low power transceiver (LPT) to transmit telemetry and receive commands end to end through the WSC/TDRSS and Greenbelt OC/TURFTS simultaneously.
- B. To successfully acquire and lock to TDRSS forward and return signal.
- C. To successfully acquire and lock to TURFTS forward and return signal.
- D. Ten minutes of successfully verifying commanding sent simultaneously from HH POCC to LPT via WSC/TDRSS and Greenbelt SOC/TURFTS.
- E. Ten minutes of successful telemetry received simultaneously from LPT to HH POCC via WSC/TDRSS and Greenbelt SOC/TURFTS.

RESULTS: OBJECTIVE NOT MET

REMARKS:

LPT demonstration was scheduled for three events on DOY 101: TDRS-047 101/1330-1500Z, TDRS-047 101/1645-1740Z AND TDRS-047 101/1820-1900Z. During the 1330Z event, the SN portion was successful. GN and SN objective to simultaneously transmit telemetry and receive commands through WSC/TDRSS and Greenbelt SOC/TURFTS was not met due to a router problem. The 1645Z and the 1820Z events were deleted at 1615Z. This test will be rescheduled at a later date.

2. Ultra Long Duration	11/1300-11/2000Z	NCC, WSGT, LDB
POCC, Balloon		(ULDB) POCC,
Eng. Test		ULDB I&T,NASCOM

OBJECTIVES:

- A. ULDB forward and return link performance via TDRSS.
- B. Command and telemetry data interfaces between the ULDB POCC equipment located at WLPS and the SN.

RESULTS: OBJECTIVE PARTIALLY MET

REMARKS:

Objective A was not attempted due to weather (rain) conditions at WLPS. Connectivity between the SN WDISC and ULDB POCC equipment was successfully tested using the WSGT PTPs however, configuration changes (client/server relationship) may be necessary to establish an operational configuration that is acceptable to both ULDB and the SN. Testing will continue tomorrow.

B. GN Test: - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities:

EOS/ERPS/SN End-To-End IP Operational Readiness Test
12/1600-2200Z

AGS/SGS/WGS/TERRA GSIP Parallel Operations 12/1554-1606Z

NAB K-Band Integration Test 12/1721-2100Z

STS-100 Launch Sim #2 with JSC 12/1400-2300Z

STS-100 SN Vector Verification Test 3201 12/1500-1600Z

STS-100 UHF AGVE Sim Launch Proficiency 12/1500-1900Z

AQUA Flight Operations Team Mission Test 12/1600-13/0400Z

Jason-1 WLE Mission Support 12/1700-1900Z

Part V. Launch Forecast Changes - None.